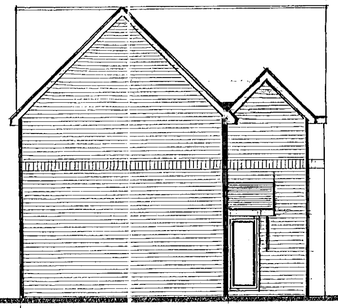


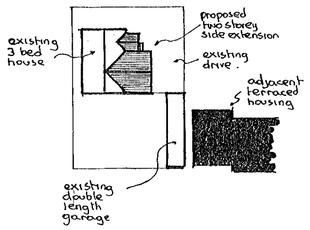
north elevation



west elevation

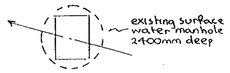


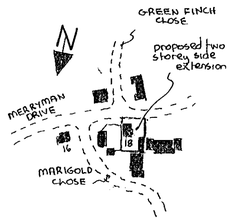
south elevation



block plan

gross internal area of extension = 49·68m²





location plan

notes:-

Roof:- Tiling to match existing on felt and battens on 100mm x 50mm rafters pitched to match existing, set at 400 mm centres with 125mm x 50mm ceiling joists at 400mm centres with 200mm fibreglass insulation between joists and ceiling of 9mm foil backed plasterboard and skimcoat plaster to receive selected decorations. Roof spaces to have permanent cross ventilation and this is to be achieved by combination of proprietary eaves vents equivalent to 10mm continuous gap and ridge vents equivalent to 5mm continuous gap.

First floor:- 18 mm tag flooring grade chipboard on 200mm x 50mm floor joists at 400mm centres with central row of herringbone strutting with double joists under partitions and ceiling of 12 mm plasterboard and skimcoat plaster to receive selected decorations.

lateral restraint:- Where floor and ceiling joists run parallel to an external wall, lateral restraint must be achieved by metal straps at 1200mm centres spanning three joists. In addition mild steel anchors min: 30mm x 5mm cross sectional area are to be provided at 2000 mm centres to anchor down all wall plates.

Ground floor:- selected floor finish on 65 mm reinforced screed on building paper on 40mm Rockwool rigid slab insulation on ventrot or similar dpm on 150 mm suspended concrete floor slab, supported on all sides and reinforced with B 503 fabric reinforcement with 8 mm main bars at 100 mm centres and 6 mm distribution bars at 200mm centres with 40mm bottom cover set on blinded layer of 150 mm selected hardcore. Top steel to be used over spine walls

Walls:- 112mm external skin of facing brick to match existing (including brick detailing) with 50mm cavity containing 50mm Rockwool insulation batts and 100 mm internal skin of celcon blockwork and 16mm plaster finish to receive selected decorations. To avoid risk of cold bridging reveals around all new external door and window openings to be insulated.

Partitions:- 100mm x 50 mm timber studding at 400 mm centres with 100mm fibreglass insulation between studding and faced with 9mm plasterboard and skimcoat plaster to receive selected decorations.

Windows/doors:- All new windows/external doors to be double glazed (obscure to ensuite and toilet) and fitted with trickle vent in head equivalent to 8000mm² opening to family room and bedroom 1. with 4000mm² elsewhere. Any glass in windows below 800mm or doors below 1500mm measured from floor level to be in laminated safety glass.

Valley:- Code 6. lead on 18mm exterior quality plywood on 100mm x 50mm bearers at 400mm centres set to create min: 1in 60 fall.

DPC & flashings:- D.p.c to be leadcored felt and flashings in code 4 lead.

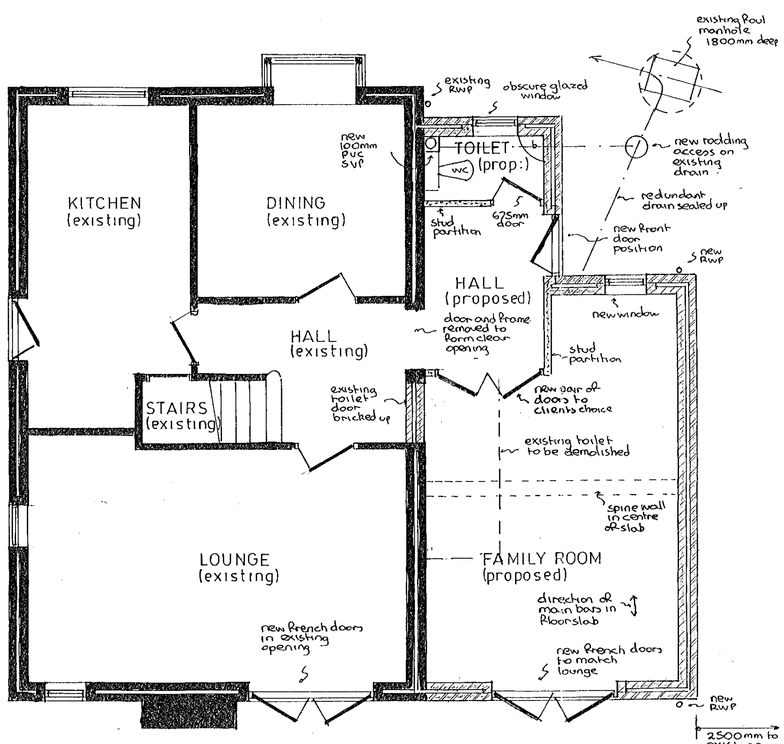
Lintels:- I.G. lintels Ltd type H1/S galvanised steel insulated lintels.

Electrics:- To clients individual requirements but must be installed in strict accordance with current I.E.E regulations and include mains controlled linked smoke detectors on hall and landing ceilings.

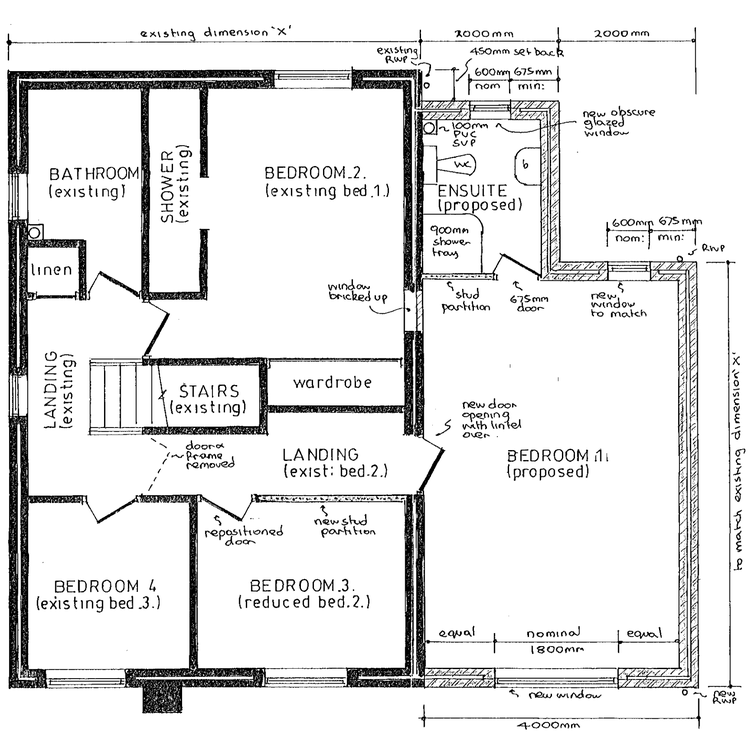
Ventilation:- Ensuite to be fitted with extract fan, to discharge at rate of 15 litres per second to open air.

Rainwater:- 112mm gutters and 62mm downpipes to match existing to discharge via back inlet gullies and 100mm upvc underground drainpipe to existing surface water drains.

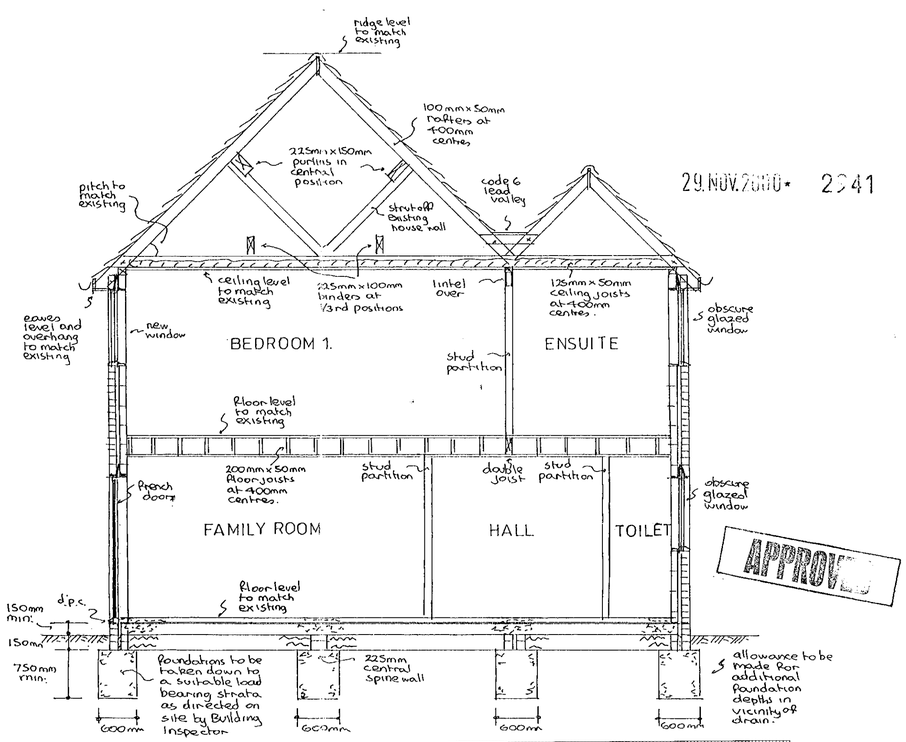
Foul drainage:- New ensuite / toilet equipment to discharge via deep seal traps and wastes to new 100mm PVC SVP terminating min: 900mm above highest opening windows. 100mm w.c. wastes, 40mm shower and 32mm basin wastes. Any new foul drainage to be carried out in 100mm upvc underground drainpipe bedded on pea shingle, set at min: 1 in 40 fall and provided with concrete lintels where pipes pass under walls.



ground floor plan



first floor plan



typical section

29. NOV. 2000 2041

APPROVED

PROPOSED EXTENSION at 18 MERRYMAN DRIVE, CROWTHORNE, BERKSHIRE for MR & MRS.K. MATHER.

Revisions:- 'A' 27/11/2000 Family room doors amended at clients request.

Drawing No	AH/E/3080/A
Scales	1:50 & 100
Date	NOV 2000

NDESIGN BUILDING PLANS

CD 26/11/d